Claims

1. A digital signal processing method comprising a step of reproducing a performance tone signal based on interface data for an instrumental performance, which contains at least performance data for causing a sound source storing plural pieces of instrumental tone information to generate a performance tone of an instrument, and a digital signal other than the performance tone signal, on the basis of control data previously encoded and described in the interface data.

2. A method according to claim 1, wherein the digital signal other than the performance tone signal is an audio signal.

3. A method according to claim 1, wherein the digital signal other than the performance tone signal is an image signal.

4. A method according to claim 1, wherein the digital signal other than the performance tone signal is a signal representing a character.

5. A method according to claim 1, wherein the control data is data for controlling a reproduction timing of the digital signal other than the performance tone signal.

6. A method according to claim 1, wherein the control data is data for controlling a parameter concerning reproduction of the digital signal other than the performance tone signal.

7. A method according to claim 1, wherein the control data is previously described as an encoded data string in a predetermined event in a standard format of the interface data.

8.   A method according to claim 7, wherein the control data is described at a timing at which the control data is desired to be controlled.

9.   A method according to claim 7, wherein the control data is described before a timing at which the control data is desired to be controlled, and timing information which is desired to be actually controlled is added in the control data.

10.   A method according to claim 9, wherein the timing information is expressed as a relative time between a timing at which the control data is described and a timing at which control is desired to be actually executed.

11.   A method according to claim 9, wherein the timing information is expressed as an absolute time in entire reproduction.

12.   A method according to claim 1, wherein the digital signal other than the performance tone signal has an identification code for every block.

13.   A method according to claim 12, wherein a specific block signal is controlled by specifying the identification code.

14.   A method according to claim 7, wherein the control data is data for specifying a type of the digital signal other than the performance tone signal.

15.   A method according to claim 7, wherein the control data is data which expresses each control-amount/control method of content of a control to be effected on the digital signal other than the performance tone signal.

16.   A method according to claim 7, wherein the control data is data for simultaneously effecting a plurality of controls on the digital signal other than the

performance tone signal.

17. A digital signal processing apparatus comprising:

first decoding means for decoding control data previously encoded and described in interface data for an instrumental performance, which contains at least performance data for causing a sound source storing plural pieces of instrumental tone information to generate a performance tone of an instrument; and

second decoding means for decoding a digital signal other than a signal of the performance tone, in correspondence with reproduction timing information of the performance data, on the basis of the control data decoded by the first decoding means.

18. An apparatus according to claim 17, wherein the digital signal other than the signal of the performance tone is an audio signal.

19. An apparatus according to claim 17, wherein the digital signal other than the signal of the performance tone is an image signal.

20. An apparatus according to claim 17, wherein the digital signal other than the signal of the performance tone is a signal representing a character.

21. An apparatus according to claim 17, wherein the control data is data for controlling a reproduction timing of the digital signal other than the signal of the performance tone.

22. An apparatus according to claim 17, wherein the control data is data for controlling a parameter concerning reproduction of the digital signal other than the signal of the performance tone.

23.   An apparatus according to claim 17, wherein the control data is previously described as an encoded data string in a predetermined event in a standard format of the interface data.

24.   A control data generating method comprising a step of generating interface data containing control data for synchronizing a digital signal other than a performance tone signal, with the performance signal output from a sound source which stores plural pieces of instrumental tone information.

25.   A control data generating apparatus comprising means for generating interface data containing control data for synchronizing a digital signal other than a performance tone signal, with the performance signal output from a sound source which stores plural pieces of instrumental tone information.

26.   A program recording medium with a program recorded therein, wherein the program comprises:

a first step of decoding control data previously encoded and described in interface data for instrumental performance, which contains at least performance data for causing a sound source storing plural pieces of instrumental tone information to generate a performance tone of an instrument; and

a second step of decoding a digital signal other than a signal of the performance tone, in correspondence with reproduction timing information of the performance data, on the basis of the control data decoded by the first step.